

**Julie D. White, P.E., CFSP**  
**2021 AIChE STS Chair-Elect Candidate**



**BIO**

While I have traveled for work to five of seven continents, I am privileged to call Houston my hometown. I am Julie D. White, PE, CFSP, who attended my first STS meeting in high school and have enjoyed supporting STS since 1993. I am an Advisor in Strategic Process Safety for Chevron, providing planning, leadership, and execution support for Operational Excellence/HSE audits. My industry experience includes a diversity of operations, process, and process safety engineering in the petrochemical, polyolefins, offshore, and federal sectors. Leadership includes stewarding multi-regional cross-discipline teams, managing technical safety teams, developing industry and remote best practices, and inspiring professional societies for growth. I obtained my B.S. and M.S. degrees in Chemical Engineering from Colorado School of Mines (1993) and Louisiana State University (1999).

**PAY IT FORWARD**

I have been privileged to volunteer on industry committees (7), present at conferences (14), publish in a journal, and receive honors (6+). My greatest memories and opportunities have been created by AIChE STS. Opportunities such as the PE prep course (2017), volunteering for AIChE STS Houston Science Fair awards with the judges who had judged me (1994+), presenting the Keynote (Jan'17), the Southwest Process Technology conference (2016), and an STS workshop (2010). These opportunities led to others. It is my privilege and opportunity to support AIChE STS in a time of industry change.

**BUILDING UPON PRECEDENT**

For thirty years, I have used the opportunity of professional society office to develop long standing success such as increasing membership, developing events and programs, coaching and training new officers, and increasing STEM volunteering. Notable examples are:

- 1) As President of Society of Women Engineers (1990-91), university membership tripled by surveying and continuously engaging membership and leveraging the talents and dedication of the leadership team and chapter members. STEM volunteering was reinvigorated and 'Evening with Industry' began which continues to be a networking opportunity and funding source for scholarships today.
- 2) As AIChE VP (1991-92), I initiated, developed, networked, and led the first Engineer's Week on campus including STEM volunteering and industry events.
- 3) As Gulf Coast Regional Director of Colorado School of Mines Alumni Association (2001-04), my integral role on the founding committee of the Houston area annual scholarship golf tournament in place 15+yrs,
- 4) As Science Engineering Fair of Houston, Materials Science and Bioengineering Division Judges Coordinator (2015-present, c.2004 lead roles), I led the first new category in 20+yrs, including recruiting judges and establishing guidance and training for this innovative and technically diverse category.

## LEADERSHIP GOALS

Based upon my experience, my goals for the years 2021-2023 will be to:

- Build upon the success of AIChE STS, by understanding both the STS membership and executive committee needs, interests, and goals at a time of accelerated industry change. Identify these goals and develop programs based upon membership surveys.
- Leverage digital technologies and innovation for supporting remote STS and executive meetings and workshops. Promote education of membership on innovative technologies that enable remote meetings and execution of engineering for career development.
- Excite interest in STS by balancing programs and workshops with core and diverse applications of chemical engineering that are currently used in our STS counties (e.g. medical, space, analytics, plant operations, design, others).
- Grow active membership by engaging potential members in virtual and in-person events that connect young professionals, engineering parents working-from-home, and our 30+ year experienced workforce.

I have the dedication and skills to help lead AIChE STS during a time of accelerated change and I welcome your vote and support. Please contact me at [juliedeanwhite@gmail.com](mailto:juliedeanwhite@gmail.com) or [www.linkedin.com/in/juliedwhite](https://www.linkedin.com/in/juliedwhite) with your thoughts or questions.

## HONORS

AIChE South Texas Section, Keynote Speaker, Jan. 2017

Women of Mines Plenary Speaker, 2012 (*for leadership during college and industry*)

AIChE The Gary Leach Award, AIChE CCPS SACHE, Reactive Hazard Awareness in Chemical Eng. Curriculum, 2011

United States Senate Leadership Summit for Young Professionals, by Senate Appointment, 2006

ExxonMobil Chemical, Baton Rouge Area, Science Education Committee Member, 1997-00

Exxon Chemical Company Wayne Wright Quality Award, 1997

Pi Beta Phi Graduating Senior Chapter Service Award, 1993 (*Alumni selected for leadership*)

## INDUSTRY COMMITTEES

AIChE Senior Member, STS Local section member, 1993– 2020

AIChE Design Institute for Emergency Relief Systems (DIERS) Member, 2009, 2015- 2020

AIChE CCPS Safety and Chemical Engineering Education (SACHE) Committee Member, 2007-2011, 2016- 2017

Mary Kay O'Connor Process Safety Center Steering Committee, 2010-2011, 2016-2017

BakerRisk Explosion Research Cooperative, BP Upstream member, 2015-2016

AIChE CCPS Process Safety Progress Journal Reviewer, Incident Investigations, 2013-2017

API RP 756 Facility Siting of Flexible Structures Committee member, 2010- 2011

SPI High Pressure Polyethylene Industry, Representative; Significant Incidents Co-Chair, 2005, 2007

## PUBLICATIONS AND PROCEEDINGS

"Using Process Troubleshooting to Improve Safeguard Effectiveness," Chevron Fire and Process Safety Newsletter, 2018.

"Loss of Utilities- Incorporating into Process Hazard Analysis," AIChE DIERS Meeting, 2018.

"Improving Operational Resilience Using Dynamic Simulation," AIChE South Texas Section, Keynote, 2017.

"Dynamic Simulation for Safety," ISA Process Control and Safety Symposium, 2016.

"Can Your Operators Respond Quickly Enough to Safety Alarms," AIChE 8th Southwest Process Tech. Conference, 2016.

"Introduction to Process Safety Principles," with A. Summers, AIChE 3rd Regional Process Tech. Conference, 2011.

"Incident Investigation- Addressing Common Oversights with Focus on Data Analysis and Interviewing Techniques," Sharing Best Practices and Lessons Learned Session, Texas Chemical Council EHS Seminar, 2011.

"Incident Investigation- Addressing Common Oversights," Topical 1, AIChE 7th Global Congress on Process Safety, ChemE on Demand, 2011.

Seven additional conference presentations 2003-2011, and one journal publication in Catalysis Today 40 (1) 1998.